

## APS SEARCH

=> activate d012099/1

L1 ( 0)SEA FILE=USPAT (DYNAMIC? (3A)MODIF? OR CHANG?) (8A) ((IMAGE O  
R F  
L2 ( 2)SEA FILE=USPAT (DYNAMIC? (3A)MODIF? OR CHANG?) (8A) ((IMAGE  
OR  
L3 ( 213)SEA FILE=USPAT (DYNAMIC? (3A)MODIF? OR CHANG?) (8A) ((IMAGE  
OR  
L4 ( 213)SEA FILE=USPAT (DYNAMIC? (3A)MODIF? OR CHANG?) (8A) ((IMAGE  
OR  
L5 ( 3257)SEA FILE=USPAT IMAGE (2A) (SEQUENCE)  
L6 ( 182)SEA FILE=USPAT ANIMATION (2A) SEQUENCE  
L7 ( 5)SEA FILE=JPO ANIMAT? (2A) SEQUENCE  
L8 ( 30)SEA FILE=EPO ANIMAT? (2A) SEQUENCE  
L9 ( 7)SEA FILE=EPO L7 AND STATUS  
L10 ( 23)SEA FILE=EPO L8 NOT L9

=> file eop

'EOP' IS NOT A VALID FILE NAME  
SESSION CONTINUES IN FILE 'USPAT'

=> file epo

FILE 'EPO' ENTERED AT 10:53:32 ON 28 JAN 1999

=> s 110

1052 ANIMAT?  
34819 SEQUENCE  
30 ANIMAT? (2A) SEQUENCE  
1052 ANIMAT?  
34819 SEQUENCE  
30 ANIMAT? (2A) SEQUENCE  
568230 STATUS  
L11 23 L8 NOT L9

=> d 111

1. EP000859339A2, Aug. 19, 1998, Data compression for animated three dimensional objects; TAO, HAI (US), et al.,  
INT-CL: [6] G06T15/70

=> d 1-

1. EP000859339A2, Aug. 19, 1998, Data compression for animated three dimensional objects; TAO, HAI (US), et al.,  
INT-CL: [6] G06T15/70

2. US005491591A , Feb. 13, 1996, Series of images reproduced from addressable storage; **ELSON, JEROME H (US)**,

INT-CL: [6] H04N5/78

EUR-CL: B41B19/14; B41B27/00; G05B19/14; G06F3/153; G06K1/12; G06K13/26; G06K17/00; G06K17/00; G06K17/00; G08B13/194; G09G1/26; G09G3/00; G11B5/54; G11B5/55; G11B15/00; G11B15/18; G11B15/18; G11B15/24; G11B15/32; G11B15/44; G11B15/58; G11B15/68; G11B19/10; G11B21/02; G11B25/04; G11B27/00; G11B27/02; G11B27/022; G11B27/028; G11B27/029; G11B27/10; G11B27/28; G11B27/32; G11B27/32; H04N1/21; H04N1/21; H04N1/21; H04N1/32; H04N5/7826; H04N7/18; H04N5/78

3. WO009602898A1, Feb. 1, 1996, PROCESS OF PRODUCING PERSONALIZED VIDEO CARTOONS; **DAHL, BRADLEY K (CA)**,

INT-CL: [6] G06T15/70

EUR-CL: G06T15/70

4. WO009530219A1, Nov. 9, 1995, ANIMATION SYSTEM HAVING VARIABLE VIDEO DISPLAY RATE; **HARPER, DENNIS D, et al.**,

INT-CL: [6] G09G1/16; [6] G09G5/36; [6] G06T15/70

EUR-CL: G06T15/70; G09G1/16

5. EP000647923A2, Apr. 12, 1995, Postage meter system having bit-mapped indicia including fraud protection.; **BROOKNER, GEORGE M (US)**,

INT-CL: [6] G07B17/04

EUR-CL: G07B17/04

6. GB002277856A , Nov. 9, 1994, Computer generating **animated sequence of pictures**; **BEREND, ANDREW LOUIS CHARLES, et al.**,

INT-CL: [5] G06F15/72

EUR-CL: G06T15/70

7. US005353074A , Oct. 4, 1994, Computer controlled animation projection system; **JONES, RAYMOND D (US), et al.**,

INT-CL: [5] G03B21/00; [5] G03B21/00

EUR-CL: G03B15/08

8. EP000597616A1, May 18, 1994, Mixing of computer graphics and animation sequences.; **NGUYEN, JULIEN TAN (US)**,

INT-CL: [5] G09G1/16

EUR-CL: G09G1/16

9. US005278347A , Jan. 11, 1994, Auto-play musical instrument with an animation display controlled by auto-play data; **KONISHI, SHINYA (JP)**,

INT-CL: [5] G09B15/04; [5] G10H1/38

EUR-CL: G09B15/04; G10H1/00

10. US005261041A , Nov. 9, 1993, Computer controlled animation system based on definitional animated objects and methods of manipulating same; **SUSMAN, GALYN (US)**,

INT-CL: [5] G06F15/66; [5] G06F15/72

EUR-CL: G06T15/70

11. GB002258790A , Feb. 17, 1993, ANIMATION; **BEREND, ANDREW LOUIS, et al.**,

INT-CL: G06F15/72

EUR-CL: G06T11/00; G06T15/70

12. WO009217983A1, Oct. 15, 1992, METHOD OF CLASSIFYING PIXELS IN AN IMAGE AND TEMPORAL INTERPOLATION USING THE CLASSIFICATION OBTAINED; **ROBERT, PHILIPPE (FR)**,

INT-CL: H04N7/00

EUR-CL: G06T7/20; H04N5/14; H04N7/46

13. WO009209965A1, Jun. 11, 1992, ANIMATION; BEREND, ANDREW LOUIS  
CHARLES (GB), et al.,  
INT-CL: G06F15/72  
EUR-CL: G06T15/70

14. EP000473043A2, Mar. 4, 1992, Animation image composition and display device.; TSUMURA, MIHOJI (JP), et al.,  
INT-CL: G06F15/72  
EUR-CL: G06T15/70

15. FR002660786A, Oct. 11, 1991, Method of putting a series of representations into colour, for the purposes of producing animated sequences; FRANCOIS, ORANGE,  
INT-CL: G09G5/02  
EUR-CL: G06T15/70

16. US005029997A, Jul. 9, 1991, Stop-frame animation system; FAROUDJA, PHILIPPE Y C (US),  
INT-CL: G03B19/18  
EUR-CL: G03B15/08

17. FR002648590A, Dec. 21, 1990, Method and device for estimating movement in a **sequence of animated images**; KERDRANVAT, MICHEL,  
INT-CL: G06F15/62  
EUR-CL: G06T7/20; H04N7/36; H04N7/36

18. FR002637100A, Mar. 30, 1990, Method and device for estimating movement in a **sequence of animated images**; ROBERT, PHILIPPE, et al.,  
INT-CL: G06F15/66  
EUR-CL: G06T7/20; H04N5/14; H04N7/36; H04N7/36; H04N7/36

19. US004766684A, Aug. 30, 1988, Lenticular screen for outdoor display; WAH, LO ALLEN K (US),  
EUR-CL: G09F19/14

20. US003954098A, May 4, 1976, Synchronized multiple image tomographic cardiography; DICK, DONALD E, et al.,  
INT-CL: A61B10/00  
EUR-CL: A61B5/0456; A61B8/14; A61B5/0402

21. US003887274A, Jun. 3, 1975, Film frame selecting apparatus for a projector; KACHI, KENJIRO, et al.,  
INT-CL: G03B21/11; G03B23/12  
EUR-CL: G03B21/11; G03B23/12

22. US003723803A, Mar. 27, 1973, GENERATION, DISPLAY AND ANIMATION OF TWO-DIMENSIONAL FIGURES; HARRISON, L, et al.,  
INT-CL: H01J29/70  
EUR-CL: G06G7/28; G09G1/06; G09G1/08; G09G1/12

23. US003704064A, Nov. 28, 1972, DISPLAY SYSTEM FOR MOVING SUBWAY TRAINS; SOLLOGOUB, NICOLAS, et al.,  
INT-CL: G03B25/00  
EUR-CL: G09F19/22

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=> D 9

9. US005278347A, Jan. 11, 1994, Auto-play musical instrument with an animation display controlled by auto-play data; KONISHI, SHINYA (JP),  
INT-CL: [5] G09B15/04; [5] G10H1/38  
EUR-CL: G09B15/04; G10H1/00

ABSTRACT:

An auto-play apparatus for an electronic musical instrument generates auto-play tones or auto-accompaniment tones such as melody, chord, bass, and drum tones on the basis of preprogrammed auto-play data. The apparatus includes a detector for detecting note data in the auto-play data. Every time a tone corresponding to note data in the auto-play data is generated, a pre-programmed display **sequence of animation** patterns advances. Animation display pattern data representing motions of a person or animal are sequentially sent to a display on the basis of the **animation display sequence**. Every time a tone corresponding to note data in the auto-play data is generated, the display patterns change motion by motion, thus obtaining an animation display.

09/0659 83

APS SEARCH

u  
=>  
=> s 5680619/pn

L1 1 5680619/PN

=> s state and state  
<-----User Break----->

u  
SEARCH ENDED BY USER

=> s state and animation

697253 STATE  
251002 STATES  
801745 STATE  
(STATE OR STATES)  
3098 ANIMATION  
410 ANIMATIONS  
3235 ANIMATION  
(ANIMATION OR ANIMATIONS)  
L2 1761 STATE AND ANIMATION

=> s 12 and 11

L3 1 L2 AND L1

=> d hit

US PAT NO: 5,680,619 [IMAGE AVAILABLE]

L3: 1 of 1

SUMMARY:

APS SEARCH

=>  
=> s 395/701  
  
\*WARNING\* - FIELD CODE NOT VALID '701'  
L1 0 395/701  
  
=> s 395/701/cls  
  
L2 272 395/701/CLS  
  
=> s 395/702/cls  
  
L3 102 395/702/CLS  
  
=> s 345/440/cls  
  
L4 334 345/440/CLS  
  
=> s 12 or 13 or 14  
  
L5 682 L2 OR L3 OR L4  
  
=> s 15 and (animation (p) (state or status or condition) )  
  
3098 ANIMATION  
410 ANIMATIONS  
3235 ANIMATION  
(ANIMATION OR ANIMATIONS)  
697253 STATE  
251002 STATES  
801745 STATE  
(STATE OR STATES)  
84304 STATUS  
2139 STATUSES  
84596 STATUS  
(STATUS OR STATUSES)  
666874 CONDITION  
878497 CONDITIONS  
1200780 CONDITION  
(CONDITION OR CONDITIONS)  
435 ANIMATION (P) (STATE OR STATUS OR CONDITION)  
L6 11 L5 AND (ANIMATION (P) (STATE OR STATUS OR CONDITION))  
  
=> d 1-

1. 5,884,078, Mar. 16, 1999, System, method and article of manufacture for creating an object oriented component having multiple bidirectional ports for use in association with a java application or applet; Antony Azio Faustini, **395/701, 702; 709/303** [IMAGE AVAILABLE]
2. 5,852,449, Dec. 22, 1998, Apparatus for and method of displaying running of modeled system designs; Mark A. Esslinger, et al., 345/473, **440** [IMAGE AVAILABLE]
3. 5,842,020, Nov. 24, 1998, System, method and article of manufacture

for providing dynamic user editing of object oriented components used in an object oriented agent or application; Antony Azio Faustini, 395/701; 345/333, 334, 340, 967; 395/702 [IMAGE AVAILABLE]

4. 5,822,591, Oct. 13, 1998, Virtual code system; Roland Hochmuth, 395/705, 702, 710; 709/305 [IMAGE AVAILABLE]

5. 5,790,855, Aug. 4, 1998, System, method and article of manufacture for type checking appropriateness of port connection and variable type matching in connection with multiport object-oriented components; Antony Azio Faustini, 395/701; 345/348 [IMAGE AVAILABLE]

6. 5,765,142, Jun. 9, 1998, Method and apparatus for the development and implementation of an interactive customer service system that is dynamically responsive to change in marketing decisions and environments; Scott K. Allred, et al., 705/26; 395/701 [IMAGE AVAILABLE]

7. 5,757,650, May 26, 1998, Method of correcting stock condition in an automated storehouse control and apparatus therefor, and method of correcting conveyance state of parts and apparatus therefor; Tomimasa Yamashita, et al., 364/478.02; 182/156, 159, 160, 161, 162, 163; 395/702; 505/829, 830 [IMAGE AVAILABLE]

8. 5,680,619, Oct. 21, 1997, Hierarchical encapsulation of instantiated objects in a multimedia authoring system; Norman K. Gudmundson, et al., 395/701; 345/302; 707/515 [IMAGE AVAILABLE]

9. 5,566,294, Oct. 15, 1996, Method for visual programming with aid of animation; Keiji Kojima, et al., 345/348, 419, 473; 395/701 [IMAGE AVAILABLE]

10. 5,509,112, Apr. 16, 1996, Presentation support environment system; Miwako Doi, et al., 345/440 [IMAGE AVAILABLE]

11. 5,297,248, Mar. 22, 1994, Multi-color animation of computer program execution; Andrew L. Clark, 345/440 [IMAGE AVAILABLE]

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